

BOATYARD GENERAL PERMIT



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- **PERMIT BACKGROUND**
- **WHAT'S REQUIRED**
- **WHAT'S DIFFERENT FROM PREVIOUS PERMIT?**
- **HOW DOES THIS PERMIT COMPARE**
- **WHAT HAPPENS WITH EXCEEDENCE OF LIMITS OR BENCHMARKS**

BACKGROUND

- **FIRST PERMIT IN 1992 – ONE OF THE FIRST STORMWATER PERMITS**
- **DISCHARGE PERMITS ARE REQUIRED BY FEDERAL AND STATE LAW**
- **DISCHARGE PERMITS REQUIRE PERMITTEES TO DO TWO FUNDAMENTAL THINGS:**
 - 1. TREAT WASTEWATER WITH ALL KNOWN, AVAILABLE, AND REASONABLE METHODS OF TREATMENT**
 - 2. MEET THE STATE'S WATER QUALITY STANDARDS**

BACKGROUND

- **CURRENT PERMIT ISSUED IN NOVEMBER 2005**
- **PERMIT APPEALED – DECISION?**

WHAT'S REQUIRED

LIMITS ON METAL CONCENTRATIONS FOR PRESSURE WASH WATER GOING TO A MUNICIPAL TREATMENT PLANT (BASED ON SEATTLE'S LIMITS FOR THEIR TREATMENT PLANTS)

MEET LIMIT OR BENCHMARK CONCENTRATIONS OF COPPER, SOLIDS AND OIL/GREASE IN STORMWATER RUNOFF

LIMIT = EACH EXCEEDENCE SUBJECT TO PENALTY BY ECOLOGY OR CITIZEN

BENCHMARK = INDICATOR OF BMP EFFORT OR WATER QUALITY IMPACT – USUALLY A PROCESS ASSOCIATED WITH EXCEEDENCE

WHAT'S REQUIRED

OIL/GREASE – 6.0 mg/l BENCHMARK BASED ON BEST 50TH PERCENTILE FACILITIES PERFORMANCE

TOTAL SUSPENDED SOLIDS – 21.0 mg/l BENCHMARK BASED ON BEST 50TH PERCENTILE FACILITIES PERFORMANCE

COPPER:

DISCHARGE TO GROUND – 1000 µg/L LIMIT

DISCHARGE TO LAKE (SHIP CANAL) – 38 µg/L BENCHMARK

WHAT'S REQUIRED

COPPER:

DISCHARGE TO RIVER – 384 µg/L BENCHMARK

DISCHARGE TO MARINE WATER – 229 µg/L BENCHMARK

COPPER BENCHMARK (AS TOTAL) CALCULATED AS:

**WQ CRITERIA X 1/%DISSOLVED X DILUTION FACTOR X
RECEIVING WATER EFFECT**

WHAT'S REQUIRED

**BEST MANAGEMENT PRACTICES (BMPs) AS REQUIRED
TO CONTROL POLLUTANT CONCENTRATION IN
STORMWATER RUNOFF**

**DOCUMENT CONTROL EFFORTS IN A STORMWATER
POLLUTION PREVENTION PLAN**

**SAMPLE AND ANALYZE STORMWATER RUNOFF IN
SEPTEMBER, OCTOBER, JANUARY, APRIL AND MAY**

**REPORT SAMPLE RESULTS TO ECOLOGY WITH
ADDITIONAL CONTROL EFFORTS IF REQUIRED**

WHAT'S DIFFERENT FROM PREVIOUS PERMIT

**MONITORING FREQUENCY FOR PRESSURE WASH
WATER FROM 3 TO 4 TIMES/YEAR**

**ADDITIONAL NARRATIVE REQUIREMENTS FOR
PRESSURE WASH WATER GOING TO A MUNICIPAL
TREATMENT PLANT**

**NEW MANDATORY BMP - VACUUM SANDING AND
GRINDING**

**BENCHMARKS AND LIMITS ON COPPER, TSS AND
OIL/GREASE**

WHAT'S DIFFERENT FROM PREVIOUS PERMIT

**REQUIREMENT TO DOCUMENT POLLUTION CONTROL
EFFORTS IN A STORMWATER POLLUTION PREVENTION
PLAN**

INSPECTIONS – 1/WEEK

INSPECTION CHECKLIST FROM ECOLOGY

ADDITIONAL SAMPLING MONTH - JANUARY

NO FOLLOW-UP SAMPLING FOR MISSED MONTH

HOW DOES OUR PERMIT COMPARE?

CALIFORNIA

1. The acute toxicity of storm water runoff to surface waters or to storm drains shall not be less than seventy (70) percent survival as determined by a 96-hour bioassay based on a grab sample.

USEPA AND OREGON – MULTI-SECTOR GENERAL PERMIT

- VISUAL MONITORING AND SWPPP

WASHINGTON INDUSTRIAL GENERAL STORMWATER PERMIT (benchmark/action level)

COPPER 63.6/149 OIL/GREASE 15/30

HOW DOES OUR PERMIT COMPARE?

**USEPA – MULTI-SECTOR GENERAL PERMIT (CURRENT
DRAFT) FOR SHIPYARDS AND BOATYARDS CATEGORIES**

TSS BENCHMARK – 100 mg/l and SWPPP

WHAT HAPPENS IF LIMITS AND BENCHMARKS ARE EXCEEDED?

EXCEEDANCE OF ANY LIMIT = PERMIT VIOLATION

EXCEEDANCE OF A BENCHMARK

**1ST, 2ND, AND 3RD (LEVEL 1) – REPORT TO US
ON CORRECTIVE ACTION AND COMPLETE
ENHANCED OR ADDITIONAL BMPs**

- DEVELOP BMP PLAN AND PLACE IN SWPPP**
- IMPLEMENT WITH 2 WEEKS (NON-CAPITAL) OR 6 MONTHS (CAPITAL)**

WHAT HAPPENS IF LIMITS AND BENCHMARKS ARE EXCEEDED?

**4TH – START INVESTIGATING TREATMENT OPTIONS
– REPORT TO US (separate report)**

6TH – ENGINEERING REPORT

ECOLOGY CONTACTS

INSPECTORS

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DIRECTORY

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[Staff Telephone/E-Mail Directory](#) (PDF version 0.6 MB)

[Staff Contacts by Subject](#) (PDF version 1.1 MB)

[Organization Chart](#) (PDF file)

Offices (includes addresses, local maps, phone numbers, and key staff):

- [Headquarters \(includes Manchester Laboratory and Quality Assurance\)](#)
(Statewide)
- [Northwest Regional Office / Bellingham Field Office / Puget Sound Field Office](#)
(Island, King, Kitsap, San Juan, Skagit, Snohomish, and Whatcom counties)
- [Southwest Regional Office / Vancouver Field Office](#)
(Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Mason, Lewis, Pacific, Pierce, Skamania, Thurston, and Wahkiakum counties)
- [Central Regional Office / Methow Valley Field Office](#)
(Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, and Yakima counties)
- [Eastern Regional Office / Colville Field Office / Ephrata Field Office / Walla Walla Field Office](#)
(Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, and Whitman counties)
- [Padilla Bay National Estuarine Research Reserve / Breazeale Interpretive Center](#)
- [Richland Field Office](#) (nuclear waste issues only)